

DATE: 12/27/2001 RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/486,757 TIME: 11:30:01

Input Set : A:\J&J1673seqlist.txt

Output Set: N:\CRF3\12272001\I486757.raw

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      3 <110> APPLICANT: Kutchan, Toni
               Zenk, Meinhart
               Atkins, David
      7 <120> TITLE OF INVENTION: Cytochrome P450 Reductases from Poppy Plants
      9 <130> FILE REFERENCE: J&J 1673
     11 <140> CURRENT APPLICATION NUMBER: US 09/486757
C--> 12 <141> CURRENT FILING DATE: 2000-02-28
     14 <150> PRIOR APPLICATION NUMBER: AU PO8872
     15 <151> PRIOR FILING DATE: 1997-08-29
                                                                   ENTERED
     17 <160> NUMBER OF SEQ ID NOS: 32
     19 <170> SOFTWARE: PatentIn version 3.0
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W--> 68 <400> SEQUENCE: 5

62 1

61 Lys Trp Phe Thr Glu Val Ala Lys

67 <213> ORGANISM: Papaver somniferum

70 Lys Asp Phe Thr Glu Val Ala Lys

* J.Zara ••





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Input Set : A:\J&J1673seqlist.txt

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     148 gtgattcacg aaactacggt cgcggctctg gatgataaac acataaatac tgctaacggc
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     150 gatgttgcat ttgatattct ccatccttgc agaaccattg ttgctcaaca aagagagctc
     152 cacaaaccca agtctgatag atcctgtata catctggagt tcgacatatc aggctcttcc
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     156 gaggaagcag ggaagctqtt gggtcaaccc ctggatttgc tgttttcaat tcacacggat
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     164 tcacctctqq qaaaqaatqa qtattcaaaa tqqqtaqttq qaaqtcagaq qaqtcttttq
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     172 ggagtgtgtt cgacatggat gaagcatgca gttcctcagg atagctgggc tcctattttt
                                                                              1680
                                                                              1740
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     192 tggtttctat tatattattq atcctcctct gaaaatccca agcacttcca gacatccctc
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     200 caacactgaa acagtattag ctataccaac aaagttatgc aaggaaacac aaactagtta
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     226 ctctacgttt ggagaagatc ttcaaataag tcgagtaaaa ttgttgaaac tcagaaattg
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720





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     330 actcaggaac atgaaagggg agagtggett cagcaactaa cttatggtgt tttttggtttg
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     342 gatgttgcat ttgatattct ccatccttgc agaaccattg ttgctcaaca aagagagctc
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     344 cacaaaccca agtictgatag atcctgtata catctggagt tcgacatatc aggictettee
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     360 geceeteget tacegeeteg atactattet ateteateet etectaagtt tgeteeetea
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     362 agaattcatg tgacgtgtgc tttagtatat ggtcaaagcc ctaccggaag ggttcaccga
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     374 attgcctttt cacgtgaagg ggaaaagaag gaatatgttc aacataagat gatggagaaa
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     382 agagatgtct ggtgatcgaa tgtagcttgc caagtcccct tttcttggct ggtctgttta
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     386 gattetteet ceagtggtte caaategaag eteggtataa ttgagageag tgeaattgtg
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     390 gaacaatgtt acaggcaaaa ctgtgtttgc ttaatataaa tttcacacca tgggtgtgga
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     392 caacactgaa acagtattag ctataccaac aaagttatgc aaggaaacac aaactagtta
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     417 Ser Ser Ser Gln Ser Lys Pro Ile Glu Thr Tyr Lys Pro Ile Ile
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                                 55
     420 Asp Lys Glu Glu Glu Ile Glu Val Asp Pro Gly Lys Ile Lys Leu
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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.



VERIFICATION SUMMARYPATENT APPLICATION: **US/09/486,757**DATE: 12/27/2001
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Input Set : A:\J&J1673seqlist.txt

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L:35 M:283 W: Missing Blank Line separator, <400> field identifier
L:47 M:283 W: Missing Blank Line separator, <400> field identifier
L:59 M:283 W: Missing Blank Line separator, <400> field identifier
L:68 M:283 W: Missing Blank Line separator, <400> field identifier
L:77 M:283 W: Missing Blank Line separator, <400> field identifier
L:86\ M:283\ W: Missing Blank Line separator, <400> field identifier
L:95 M:283 W: Missing Blank Line separator, <400> field identifier
L:104 M:283 W: Missing Blank Line separator, <400> field identifier
L:116 M:283 W: Missing Blank Line separator, <400> field identifier
L:213 M:283 W: Missing Blank Line separator, <400> field identifier
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L:1069 M:283 W: Missing Blank Line separator, <400> field identifier
L:1839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:1875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1893 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:1911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1971 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:2031 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
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